OLYMPUS

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DIGITAL VOICE RECORDER

DS-7000
System Edition

INSTRUCTIONS

Thank you for purchasing an Olympus Digital Voice Recorder.
Please read these instructions for information about using the product correctly and safely.
Keep the instructions handy for future reference.

To ensure successful recordings, we recommend that you test the record function and volume before use.

EN

Introduction

- The contents of this document may be changed in the future without advanced notice. Contact our Customer Support Center for the latest information relating to product names and model numbers.
- The illustration of the screen and the recorder shown in this manual may differ from the actual product. The utmost care has been taken to ensure the integrity of this document, but if you find a questionable item, error or omission, please contact our Customer Support Center.
- Any liability for passive damages or damage of any kind occurred due to data loss incurred by a defect of the product, repair performed by the third party other than Olympus or an Olympus authorized service station, or any other reason is excluded.

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- Intel is the registered trademark of Intel Corporation.
- SD and microSD are the trademarks of SD Card Association.
- SDHC and microSDHC are the trademarks of SD Card Association.

Other product and brand names mentioned herein may be the trademarks or registered trademarks of their respective owners.

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Safety precautions

Before using your new recorder, read this manual carefully to ensure that you know how to operate it safely and correctly. Keep this manual in an easily accessible location for future reference.

- The warning symbols indicate important safety related information. To protect yourself and others from personal injury or damage to property, it is essential that you always read the warnings and information provided.

⚠ Danger

If the product is used without observing the information given under this symbol, serious injury or death may result.

⚠ Warning

If the product is used without observing the information given under this symbol, injury or death may result.

⚠ Caution

If the product is used without observing the information given under this symbol, minor personal injury, damage to the equipment, or loss of valuable data may result.

Convention used in this manual

- **The word "card" is used to refer to the SD card and microSD card.**
- **This manual shows the English on screen display in the illustrations and explanations.**
  You can select the display language for this recorder. For details, see "**Language(Lang)**" (☞ P.36).

Caution for usage environment

- **To protect the high-precision technology contained in this product, never leave the recorder in the places listed below, no matter if in use or storage:**
  - Places where temperatures and/or humidity are high or go through extreme changes. Direct sunlight, beaches, locked cars, or near other heat sources (stove, radiator, etc.) or humidifiers.
  - Near flammable items or explosives.
  - In wet places, such as bathrooms or in the rain.
  - In places prone to strong vibrations.
- **Never drop the recorder or subject it to severe shocks or vibrations.**
- **The recorder may malfunction if it is used in a location where it is subject to a magnetic/electromagnetic field, radio waves, or high voltage, such as near a TV set, microwave, video game, loud speakers, large monitor unit, TV/radio tower, or transmission towers. In such cases, turn the recorder off and on again before further operation.**
- **Avoid recording or playing back near cellular phones or other wireless equipment, as they may cause interference and noise. If you experience noise, move to another place, or move the recorder further away from such equipment.**
- **Do not use organic solvents such as alcohol and lacquer thinner to clean the unit.**

Warning regarding data loss:

- Recorded content in memory may be destroyed or erased by operating mistakes, unit malfunction, or during repair work. It is recommended to back up and save important content to other media such as a computer hard disk.
- Any liability for passive damages or damage of any kind occurred due to data loss incurred by a defect of the product, repair performed by the third party other than Olympus, an Olympus authorized service station or any other reason is excluded from the Olympus liability.

Handling the recorder

⚠ Warning:

- **Keep the recorder out of the reach of children and infants to prevent the following dangerous situation that could cause serious injury:**
  ① Accidentally swallowing the battery, cards or other small parts.
  ② Accidentally being injured by the moving parts of the recorder.
- **Do not disassemble, repair or modify the unit yourself.**
- **Use SD/SDHC, microSD/microSDHC memory cards only. Never use other types of cards.**
  If you accidentally insert another type of card into the recorder, contact an authorized distributor or service center. Do not try to remove the card by force.
- **Do not operate the unit while operating a vehicle.**

⚠ Caution:

- **Stop using the recorder immediately if you notice any unusual odors, noise, or smoke around it.**
  Never remove the battery with bare hands, which may cause a fire or burn your hands.
- **Do not leave the recorder in places where it may be subject to extremely high temperatures.**
  Doing so may cause parts to deteriorate and, in some circumstances, cause the recorder to catch fire. Do not use the charger or AC adapter if it is covered. This could cause overheating, resulting in fire.
- **Handle the recorder with care to avoid getting a low-temperature burn.**
  - When the recorder contains metal parts, overheating can result in a low-temperature burn. Pay attention to the following:
  - When used for a long period, the recorder will get hot. If you hold on to the recorder in this state, a low-temperature burn may be caused.
  - In places subject to extremely cold temperatures, the temperature of the recorder's body may be lower than the environmental temperature. If possible, wear gloves when handling the recorder in cold temperatures.

Battery handling precautions

⚠ Danger:

- **The recorder uses a special lithium ion battery from Olympus. Charge the battery with the specified AC adapter or charger. Do not use any other AC adapters or chargers.**
- **The battery should never be exposed to flame, heated, short-circuited or disassembled.**
- **Never heat or incinerate battery.**
- **Take precautions when carrying or storing batteries to prevent them from coming into contact with any metal objects such as jewelry, pins, fasteners, etc.**
- **To prevent causing battery leaks or damaging their terminals, carefully follow all instructions regarding the use of batteries. Never attempt to disassemble a battery or modify it in any way, solder, etc.**
- **If battery fluid gets into your eyes, flush your eyes immediately with clear, cold running water and seek medical attention immediately.**

⚠ Warning:

- **Keep batteries dry at all times.**
- **If rechargeable batteries have not been recharged within the specified time, stop charging them and do not use them.**
- **Do not use a battery if it is cracked or broken.**
- **Never subject batteries to strong shocks or continuous vibration.**
- **If a battery leaks, becomes discolored or deformed, or becomes abnormal in any other way during operation, stop using the recorder.**
- **If a battery leaks fluid onto your clothing or skin, remove the clothing and flush the affected area with clean, running cold water immediately. If the fluid burns your skin, seek medical attention immediately.**
- **Keep batteries out of the reach of children.**
- **If you notice anything unusual when using this product such as abnormal noise, heat, smoke, or a burning odor:**
  ① remove the battery immediately while being careful not to burn yourself, and;
  ② call your dealer or local Olympus representative for service.

⚠ Caution:

- **The bundled/included rechargeable battery is exclusively for use with Olympus digital voice recorder DS-7000.**
  - There is a risk of explosion if the battery is replaced with the incorrect battery type.
  - Dispose of the used battery following the instructions.
  - Please recycle batteries to help save our planet's resources. When you throw away dead batteries, be sure to cover their terminals and always observe local laws and regulations.
- **Always charge a rechargeable battery when using it for the first time, or if it has not been used for a long period.**
- **Rechargeable batteries have limited lifetime. When the operating time becomes shorter even if the rechargeable battery is fully charged, replace it with a new one.**

Docking station

⚠ Danger:

- **Never disconnect the AC adapter or power cord with a wet hand. This may cause electric shock or injury.**
- **Only use the dedicated AC adapter with the docking station. Using it in combination with other AC adapters may cause overheating, fire, or malfunction.**

⚠ Warning:

- **Never disassemble, modify, or repair the docking station yourself. This may cause fire, electric shock, or injury.**
- **Never use the docking station in locations where it might come into contact with liquids. Getting the docking station wet may cause fire or electric shock.**
- **Do not drop the docking station or allow it to suffer extreme shocks. This may cause damage, or fire or electric shock.**
- **Do not touch the connector or insert the metal wires or similar object into any of the plugs. This may cause fire, or electric shock.**

⚠ Caution:

- **Unplug the AC adapter or power cord from the docking station and AC outlet when not using for extended periods of time. If this precaution is not followed and the docking station is damaged then fire may occur.**

AC adapter

⚠ Danger:

- **Be sure to use the AC adapter with the proper voltage (AC 100 - 240 V). Using it with other voltage levels may cause fire, explosion, overheating, electric shock or injury.**
- **For safety, be sure to unplug the AC adapter from the outlet before performing maintenance or cleaning. Also, never plug in or disconnect the power plug with a wet hand. This may cause electric shock or injury.**

⚠ Warning:

- **Do not attempt to disassemble, repair or modify the AC adapter in any way.**
- **Keep foreign objects including water, metal, or flammable substances from getting inside the product.**
- **Do not moisten the AC adapter or touch it with a wet hand.**
- **Do not use the AC adapter in the vicinity of flammable gas (including gasoline, benzine and lacquer thinner).**
- **Always stop recording before connecting or disconnecting the power supply plug.**
- **When the AC adapter is not in use, disconnect the power supply plug from the power outlet.**

- **Use only power supply of the correct voltage, as indicated on the adapter.**

In case:

- **... the internal parts of the AC adapter are exposed because it has been dropped or otherwise damaged:**
- **... the AC adapter is dropped in water, or if water, metal flammable substances or other foreign objects get inside it:**
- **... you notice anything unusual when using the AC adapter such as abnormal noise, heat, smoke, or a burning odor:**
  ① do not touch any of the exposed parts;
  ② immediately disconnect the power supply plug from the power outlet, and;
  ③ call your dealer or local Olympus representative for servicing. Continued use of the AC adapter under these circumstances could result in electric shock, fire or injury.

⚠ Caution:

- **Do not use the AC adapter if the power plug is damaged or the plug is not completely connected to the outlet. This may cause fire, overheating, electric shock, short circuit or damage.**
- **Unplug the AC Adapter from AC outlet when not using. If this precaution is not followed, fire, overheating or electric shock may occur.**
- **Make sure to hold the plug when removing the power plug from the outlet. Do not bend the cord excessively or put heavy objects on it. This may cause fire, overheating, electric shock or damage.**

LCD monitor

- **The LCD used for the monitor is made with high-precision technology. However, black spots or bright spots of light may appear on the LCD Monitor. Due to its characteristics or the angle at which you are viewing the monitor, the spot may not be uniform in color and brightness. This is not a malfunction.**

Memory Card

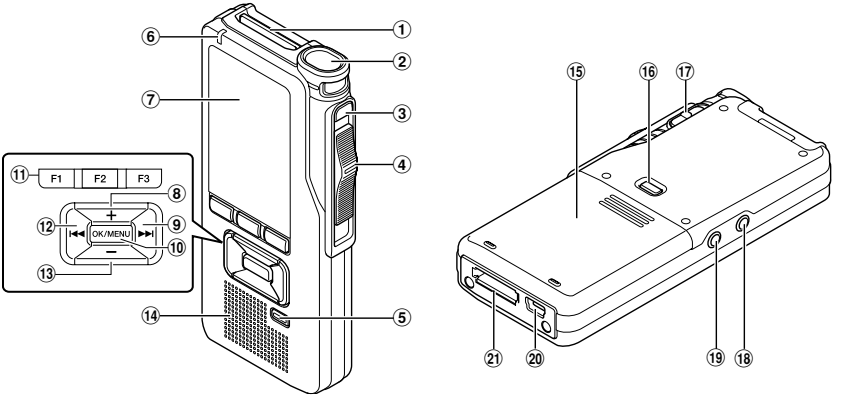
⚠ Warning:

- **Do not touch the card contacts. This may damage the card.**
- **Do not place the card in locations with static electricity.**
- **Store the card in a location that is out of the reach of children. In case of accidental ingestion, consult a physician immediately.**

Main features

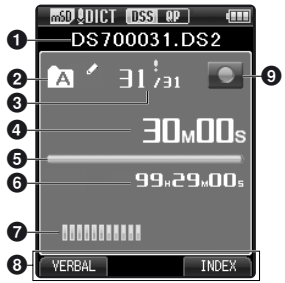
- **Slide switch operation for ease of use and fast response.**
- **Supports two types of memory: SD card and microSD card.**
- **Recording in Digital Speech Standard Pro (DS2 format).**
- **Two recording modes, [DSS Pro QP] (Quality Playback) mode or [DSS Pro SP] (Standard Playback) mode (☞ P.35).**
- **Data encryption function for securing recordings on the device.**
- **Lithium ion battery rechargeable via USB cable or AC adapter.**
- **This recorder is compatible with USB 2.0, enabling fast data transfer to a computer.**
- **Five folders and up to 200 files per folder, for a maximum of 1,000 recordings (☞ P.20).**
- **Large color LCD display.**
- **Index mark function which is useful to search particular points in the dictation files (☞ P.32).**
- **Verbal comment function which allows transcriptionists to instantly search and playback instructions on their computer (☞ P.31).**
- **Priority Setting (☞ P.35).**
  You can set a priority level on each file recorded.

Identification of parts



① **SD card slot**
② **Built-in microphone**
③ **NEW button**
④ **Slide (REC/STOP/PLAY/REV) switch**
⑤ **ERASE button**
⑥ **Record indicator light**
⑦ **Display (LCD panel)**
⑧ **+ (Volume) button**
⑨ **Fast Forward (▶▶I) button**
⑩ **OK/MENU button**
⑪ **Programmable smart (F1,F2,F3) buttons**
⑫ **Rewind (I◀◀) button**
⑬ **– (Volume) button**
⑭ **Built-in speaker**
⑮ **Battery cover**
⑯ **Battery cover release button**
⑰ **POWER (ON/OFF) switch**
⑱ **EAR (Earphone) jack**
⑲ **MIC (Microphone) jack**
⑳ **USB connector**
㉑ **Docking station connector**

Display status indicators (LCD panel)



Display in the recording mode

Display in the playback mode

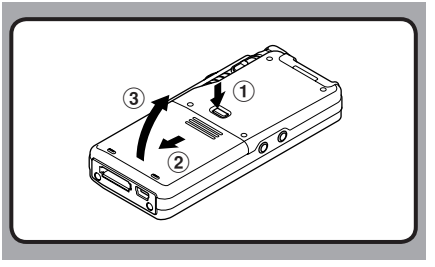
❶ Current file name
❷ Current folder
❸ Current file number/ Total number of recorded files in the folder
❹ Recording elapsed time
❺ Remaining memory bar indicator
❻ Remaining recording time
❼ Level meter indicator
❽ Button guide display
❾ Recorder status indicator
❿ Current playback time
⓫ Index mark indicator
⓬ Playback position bar indicator
⓭ Verbal comment indicator
⓮ File length
⓯ Recording date and time

[SD]: SD card
[SD]: SD Card lock
[mSD]: microSD card
[DICT]: Microphone sensitivity
[DSS QP]: Recording mode
[]: Battery
[VCVA]: VCVA (Variable Control Voice Actuator)
[]: Pending
[]: Priority
[]: File lock

Inserting the battery

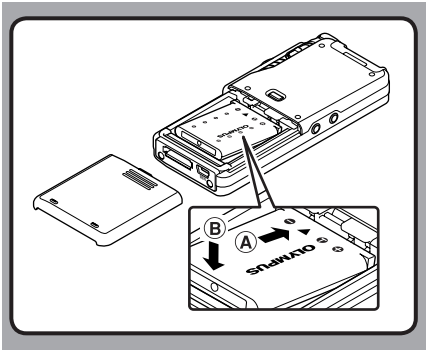
This recorder uses a lithium ion battery specified by Olympus (LI-42B). Do not use any other type of battery.

1 Lightly press down on the battery cover release button, then open the battery cover, as shown in the illustration below.



2 Insert the battery observing the correct polarity as shown in the illustration, then close the battery cover.

- Insert the battery by sliding in direction Ⓐ while pushing down in direction Ⓑ.



- The supplied battery is not fully charged. It is recommended to fully charge it before using the recorder for the first time or after the battery has been left unattended for a long time (☞ P.13).

Battery indicator

The battery indicator on the display will decrease as the battery loses power.

- When this [▭] indicator appears on the display, charge the battery as soon as possible. When the battery is too weak, [▭] and [**Battery Low**] will appear on the display and the recorder will shut down.

Notes

- Turn off the recorder before removing the battery. Removing the battery while the recorder is still in use may cause malfunctions, file corruption or file loss.
- Remove the battery if you are not going to use the recorder for an extended period of time.
- After removing the battery, it may become necessary to re-set the time and date if you leave the battery out of the recorder for more than 15 minutes or if you remove the battery right after loading it into the recorder.

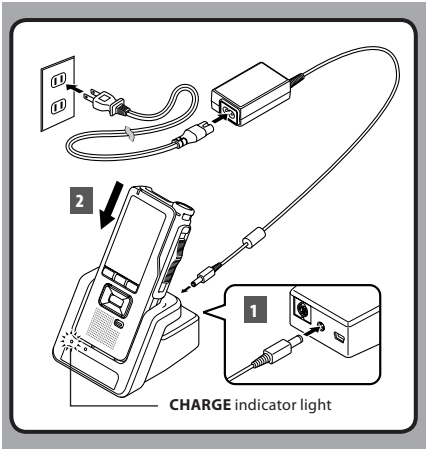
Charging the battery

After loading the battery into the recorder, you can charge it by connecting the USB cable to the recorder, or by using the docking station in combination with the USB cable or the AC adapter. Fully charge the battery (approx. 2 hours 30 minutes) before use.

Charging the battery using the docking station

Charging using docking station and AC adapter

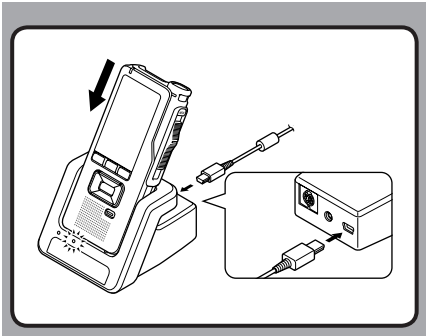
1. **Connect the AC adapter to the docking station.**
2. **Firmly press the recorder all the way into the docking station as shown in the illustration.**



- The **CHARGE** indicator light turns on when charging starts, and turns off when charging is complete.

Charging using docking station and USB cable

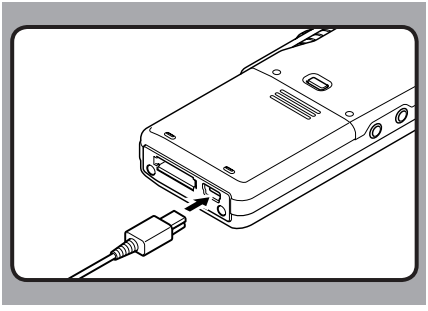
Connect the USB cable to the docking station.



Charging directly via USB cable

After loading the battery into the recorder, you can charge it by connecting the USB cable to the recorder.

Connect the USB cable to the recorder.



Notes

- Charge the battery frequently during the first period of use. The battery will perform better after several charge/discharge cycles.
- Models of batteries which are different from the included one may not be charged.
- Charging the battery via the USB cable connection may not be successful depending on the power capacity of the USB port in your PC. Use the AC adapter instead.
- Do not set or remove the recorder from the docking station while operating.
- Do not charge the recorder through a USB hub.
- Do not attach or remove the battery if the USB cable is connected.

Using the lithium ion battery

The included battery is exclusively for use with the Olympus voice recorder DS-7000. Do not use in combination with other electronic equipment.

Cautions concerning the battery

Read the following instructions carefully when you use the battery.

Discharging:

Rechargeable batteries self-discharge while not in use. Charge it regularly before use.

Battery life:

Over time, the rechargeable battery may gradually wear down. When the operating time becomes shorter even if the rechargeable battery is fully charged under the specified condition, replace it with a new one.

Operating temperature:

Rechargeable batteries are chemical products. Battery efficiency may vary even when operating within the recommended temperature range. This is an inherent nature of these products.

Recommended temperature range of use:

During operation:
0°C - 42°C/ 32°F - 107.6°F
Charging:
5°C - 35°C/ 41°F - 95°F
Storage for a long period:
–20°C - 60°C/ –4°F - 140°F

Using the battery outside the above temperature range may result in declining efficiency and shorter battery life.

Notes

- When disposing the batteries, always observe the local laws and regulations. Contact your local recycling center for proper disposal methods.
- If battery is not fully discharged, protect it against short-circuiting (e.g. by taping the contacts) before disposal.

For customers in Germany:

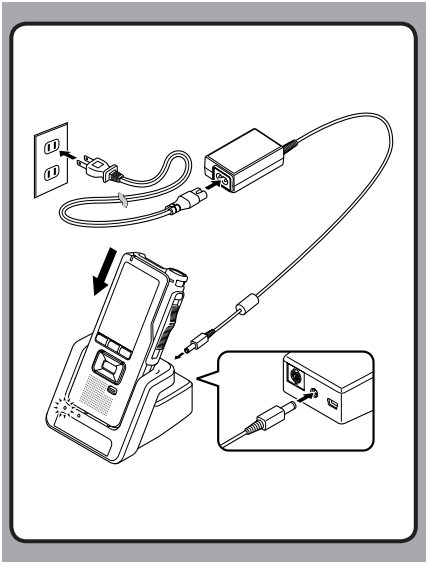
Olympus has a contract with the GRS (Joint Battery Disposal Association) in Germany to ensure environmentally friendly disposal.

Power supply from AC adapter or USB cable

Use the AC adapter or USB cable when recording for extended period of time.

Using the AC adapter

Plug the AC adapter into a household power outlet and connect the power plug to the recorder via the docking station. Always turn off the recorder before you connect power.

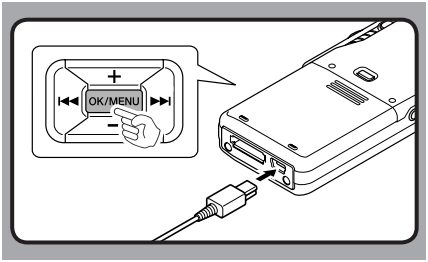


Detecting abnormal voltage

If the recorder detects a DC power voltage outside the allowed voltage range (4.4-5.5V), then [**Power Supply Error Remove Power Plug**] will appear on the display, and all operation will stop. The recorder will not be operable if abnormal voltage is detected. Use the AC adapter.

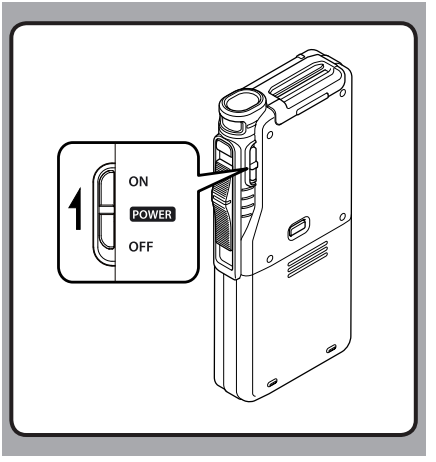
Using the USB cable

1. **Verify that the recorder is in stop mode.**
2. **Connect the USB cable to the recorder while pressing the OK/MENU button.**



Turning on the recorder

Move the **POWER** switch to [**ON**] position to activate the recorder.



Memory card

This recorder uses two types of memory cards: a microSD card as internal memory, and an SD card as additional memory.
You can remove the content recorded in both the cards safely in case of malfunction of the recorder.

Compatible cards

The recorder supports memory card capacity from 512 MB up to 32 GB.

Cards compatibility

For a list of card compatible with the recorder, please visit the product homepage at the Olympus website applicable to your region or contact your Olympus reseller where you purchased the product.

Notes

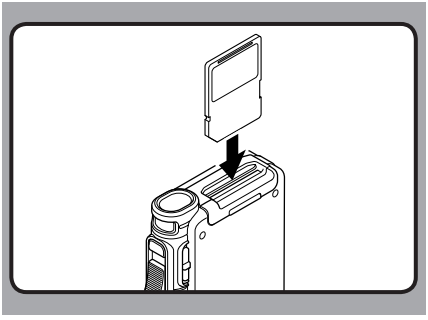
- **When initializing (formatting) a card, confirm that no necessary data is stored on the memory card beforehand. Initialization completely erases the existing data on the card.**
- Cards formatted (initialized) by another device, like a computer, may not be recognized. Be sure to format them with this recorder before use.
- The card has a service life. When reaching the end of its life, writing or erasing data on the card will be disabled. In this case, replace the card.
- If you use a PC card adapter compatible with the card to save or delete some data on the card, the maximum recording time on the card may be decreased. To recover the original recording time, initialize/format the card in the recorder.

Inserting and ejecting a SD card

Inserting a SD card

Insert the SD card fully into the card slot with the card facing the direction shown in the illustration below, until it clicks into place.

- **Insert the card keeping it straight.**



Card recognition

After inserting SD card, the message [**Please Wait**] will flash on the display while the recorder recognizes the SD card.

Ejecting a SD card

Push the SD card inward to unlock it and let it come out of the slot.

- **Hold the card straight and pull it out.**

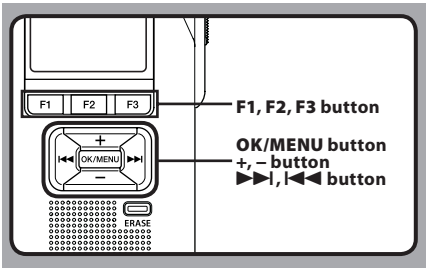
Notes

- **Inserting the card the wrong way or at an angle could damage the contact area or cause the card to jam.**
- **If the card is not inserted all the way into the slot, data may not be written properly.**
- When an unformatted card is inserted into the card slot, the recorder will automatically display the format menu options (☞ P.38).
- Use only cards formatted with the recorder (☞ P.38).
- Never remove the card while the recorder is operating, as this may damage the data.
- After pushing the card inward to eject it, releasing your finger too quickly may cause the card to be ejected unexpectedly.
- This recorder uses a microSD card as internal memory. The microSD card has been preloaded.
- The recorder may not properly recognize the card even when that card is compatible with it.
- The processing performance reduces in a card when you repeat writing and deleting. In this case, format the card (☞ P.38).

Setting time and date [Time & Date]

If you set the time and date beforehand, the information when the file is recorded is automatically stored for each file. Setting the time and date beforehand enables easier file management.

When you use the recorder for the first time after purchasing it, or when the battery has been inserted without the device being used for a long time, the [Set Time & Date] will appear.
When the "Hour" is flashing, conduct the setup from Step 1.



1 Press the ▶▶I or I◀◀ button to select the item to set.

Select the item from the "**hour**", "**minute**", "**year**", "**month**" and "**day**" with a flashing point.

2 Press the + or – button to set.

You can select between 12 and 24 hour display by pressing the **F2** (**24H**) button while setting the hour and minute.

- You can select the order of the "**Month**", "**Day**" and "**Year**" by pressing the **F2** (**D/M/Y**) button while setting them.

3 Press the OK/MENU button to complete the setting.

- The clock will start from the set date and time. Press the **OK/MENU** button according to the time signal.

Note

- Moving the slide switch to a position other than **STOP** (■) while setting the time and date will cancel the time and date setting. The recorder will return to the previous time and date.

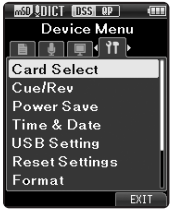
Changing the time and date

If the current time and date is not correct, set it using the procedure below.

1 While the recorder is in stop mode, press the OK/MENU button.

2 Press the ▶▶| or |◀◀ button to select [Device Menu] tab.

- You can change the menu display by moving the settings tab cursor.



3 Press the + or – button to select [Time & Date].

4 Press the OK/MENU button.

- The following steps are the same as Step 1 through Step 3 of "**Setting time and date [Time & Date]**" (☞ P.18).

5 Press the F3 (EXIT) button to close the menu screen.

Recording

By default, the recorder has five folders, [A], [B], [C], [D], [E] and you can select a folder by pressing the **F1** (**FOLDER**) button. These five folders can be selectively used to distinguish the kind of recording. Up to 200 messages can be recorded per folder.
Also, by default, the Recording Mode is [**DSS Pro QP**].

Record function

Before starting recording over a previously recorded file, the RECORD function can be set to the following:

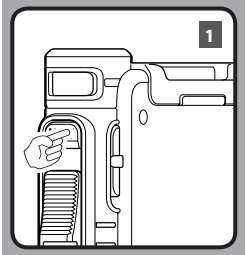
- **Append:** Attaches the new recording to the end of the previously recorded file (☞ P.21).
- **Overwrite (default):** Overwrites and deletes part of the previously recorded file starting from the chosen position (☞ P.22).
- **Insert:** The recorded file will be inserted in the middle of the previously recorded file, starting from the chosen recording position. The original file will be kept (☞ P.23).

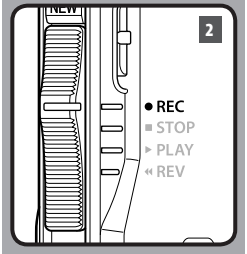
By default, the RECORD function is configured to record using the overwrite option.
Recording will start from the current position of the existing file.

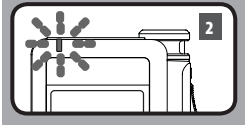
Recording related settings

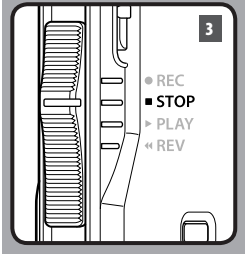
Recording related settings can be configured to provide a suitable recording environment.

- Hands-free recording (☞ P.24).
- Recording monitor (☞ P.24).
- Verbal Comment (☞ P.31).
- Pending files [**Pending**] (☞ P.35).
- Microphone sensitivity [**Mic Sense**] (☞ P.35).
- Recording modes [**Rec Mode**] (☞ P.35).
- Using the Variable Control Voice Actuator [**VCVA**] (☞ P.35).







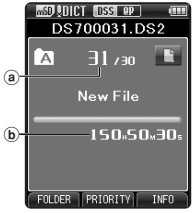


New recording

Create a new file to record in.

1 Press the NEW button to create a new file.

ⓐ New file number
ⓑ Remaining recording time



2 Move the slide switch to the REC (●) position to start recording.

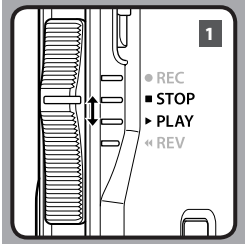
- The record indicator light turns on. Turn the microphone in the direction of the source to be recorded.

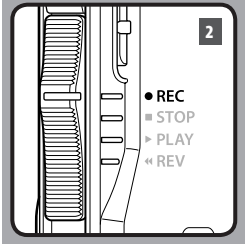
3 Move the slide switch to the STOP (■) position to stop recording.

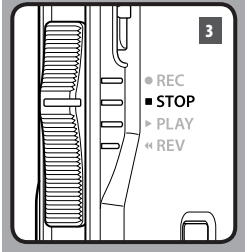
- If you want to append additional recordings to the same file, move the slide switch to the **REC** (●) position again.

Notes

- During recording, a beep will sound whenever the remaining recording time reaches 60, 30, and 10 seconds.
- When the remaining recording time is less than 30 minutes, the color of the remaining memory bar indicator will change.
- When the remaining recording time reaches 60 seconds, the record indicator light will start flashing. The light will flash faster when the remaining recording time decreases from 30 to 10 seconds.
- [**Memory Full**] or [**Folder Full**] will be displayed when the memory or folder capacity is full.
  - Delete unnecessary files before recording any further (☞ P.27) or transfer dictation files to your PC (☞ P.40).
  - Change the recording media at [**Card Select**] setting (☞ P.37) or change to a card with free space.







Overwrite recording

You can overwrite a previously recorded file starting from any point within the file. When using overwriting, the overwritten part will be erased.

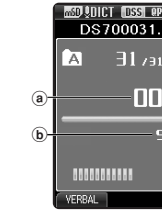
1 Select and play the file you want to overwrite.

- Stop the playback at the point you want to start overwriting.

2 Move the slide switch to the REC (●) position to start overwriting.

- The record indicator light turns on.

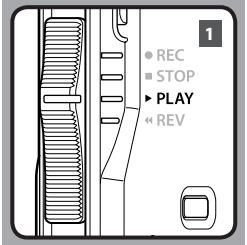
ⓐ Recording elapsed time
ⓑ Total recording time of the selected file

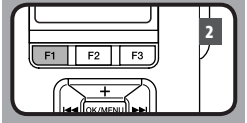


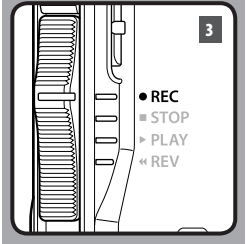
3 Move the slide switch to the STOP (■) position to stop overwriting.

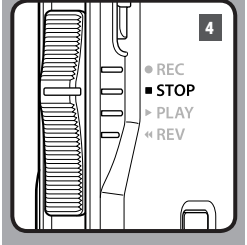
Note

- You cannot select a recording mode different from the one set onto the original file.









Insert recording

Additional recording can be inserted into previously recorded file.

1 Select and play the file you want to insert an additional recording into.

2 While playing the file, press the F1 (INSERT) button to insert an additional recording.

- [**Insert Rec?**] will appear on the display.

3 Move the slide switch to the REC (●) position to start inserting the additional recording.

- The record indicator light turns on. [**Insert Rec**] and the remaining recording time will alternate on the display.

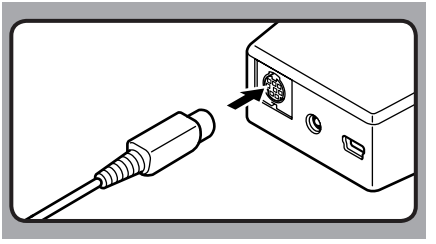
4 Move the slide switch to the STOP (■) position to stop inserting the additional recording.

Notes

- The recording's time and date will be updated to the one of the latest recording inserted.
- You cannot select a recording mode different from the one set onto the original file.

Hands-free recording

The recorder can be used as a hands-free recording device. To set up the recorder for hands-free operation, connect the optional Olympus Foot Switch to the back of the docking station and place the recorder in the docking station as shown in the illustration below.

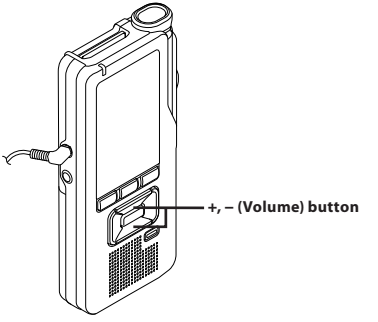


Notes

- Move the slide switch to the **STOP** (■) position before connecting it to the docking station for hands-free recording.
- To record with better quality using the hands-free recording function, set the microphone sensitivity to [**Conference**] mode (☞ P.35), or use an external microphone.

Recording monitor

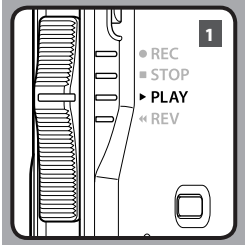
It is possible to monitor your recording by listening to it even while the recording is in progress. In order to do so, insert the earphone plug into the earphone jack and use the **+** or **–** buttons to control the volume level.



Notes

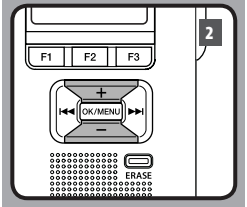
- When connecting an earphone or an external microphone's plug, insert the plug all the way in as shown in the illustration above.
- To avoid irritation to the ear, insert the earphone after turning down the volume level.
- Do not place earphones near a microphone as this may cause feedback.

Playback



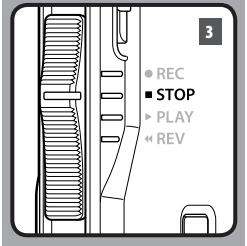
You can playback a file starting from any point.

1 Select the file, then move the slide switch to the PLAY (▶) position to start playback.



2 Press the + or – button to adjust the volume.

- The volume can be adjusted within a range from [**00**] to [**30**].



3 Move the slide switch to the STOP (■) position at any point you want to stop the playback.

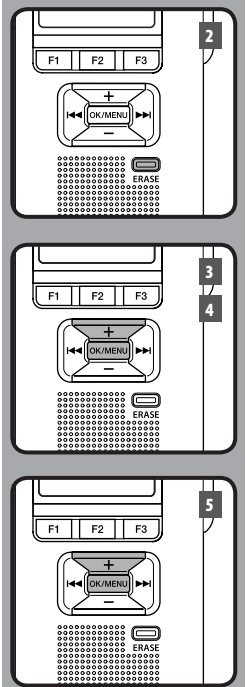
Playback functions	Operation	How to cancel
Fast Forward (FF)	Press the ▶▶I button once while in stop mode.	Move the slide switch to a position other than the **STOP** (■) position. • The recorder starts the operation of the set position. Press the **OK/MENU** button.
Rewind (REW)	Press the I◀◀ button once while in stop mode.	
Cue (Cue)	Press and hold the ▶▶I button while in stop or playback mode.	Release the button.
Review (Rev)	Press and hold the I◀◀ button while in stop or playback mode.	Release the button.
	Move the slide switch to the **REV (◀◀)** position.	Release the slide switch.
Playback Speed	Press the **F2** (**SPEED**) button during playback. • The playback speed will change at each press of the **F2** (**SPEED**) button. **Play (playback):** Playback at normal speed. **Slow Play (slow playback):** Playback speed slows down (-50%), and "Slow play" will be displayed. **Fast Play (fast playback):** Playback speed becomes faster (+50%), and "Fast play" will be displayed.	———

Notes

- If you press the ▶▶I button once while fast-forwarding or twice while in stop mode, the recorder will stop at the end of the file (F.Skip).
- If you press the I◀◀ button once while rewinding or twice while in stop mode, the recorder will stop at the beginning of the file (B.Skip). If the I◀◀ button is pressed within 2 seconds, the recorder skips to the beginning of the previous file.
- If you press and hold the ▶▶I button while fast forwarding (FF), the recorder will continue to skip forward.
- If you press and hold the I◀◀ button while rewinding (REW), the recorder will continue to skip backward.
- The Cue and Review speed can be set from [**Speed1**] to [**Speed5**] (☞ P.37). Cue and Review playback sound can be set to [**On**] or [**Off**] (☞ P.37).

Erasing files

A selected file can be erased from a folder. Also, all files in a folder can be erased simultaneously.



1 Select the file you want to erase.

2 Press the ERASE button.

3 Press the + button to select [Erase in Folder] or [File Erase].

[**Erase in Folder**]:
All files in a folder can be erased simultaneously.

[**File Erase**]:
Erase one file.

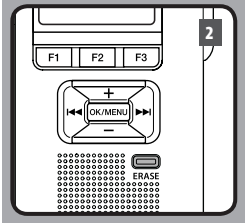
4 Press the OK/MENU button.

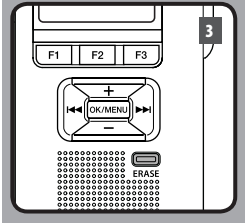
5 Press the + button to select [Start], then press the OK/MENU button.

- The display changes to [**Erase !**] and erasing will start.
- [**Erase Done**] is displayed when the file is erased. File numbers will be reassigned automatically.

Notes

- An erased file cannot be restored.
- The erasing process may take up to 10 seconds. Do not interrupt this process or data may be damaged.
- Files cannot be erased in the following cases.
  - Files are locked (☞ P.35).
  - Files stored on a locked SD card.





Partially erasing a file

Any unnecessary part of a file can be erased.

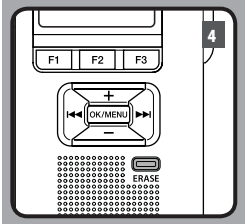
1 Playback the file you would like to partially erase.

2 Press the ERASE button at the point you want to start erasing.

- While playback continues, [**Erase Start**] will appear on the display.
- If you press the **F2** ( ) button, playback will skip (F.Skip) to the end of the file and then stop. In case of a Verbal comment (☞ P.33) before the end of the file, that point will be set automatically as the ending point of the partial erase.
- If you press the **F1** ( ) button, playback will skip back (B. Skip) and restart from the partial erase starting point.
  Playback will continue until the end of the file or until the partial erase ending point is confirmed.

3 In the position you want to end partial erase, press the ERASE button again.

- The erase starting point (time) set in step 2 and the ending point (time) set in this step will be displayed alternatively for 8 seconds.
- If you let the playback continue until the end of the file, or in case of a Verbal comment (☞ P.31) before it, that will be considered the ending point of the partial erase.



4 Press the ERASE button to confirm the erasure.

- The display changes to [**Partial erasing !**] and erasing will start.
- When [**Partial erase completed.**] appears on the display, partial erase is complete.

Notes

- If the **ERASE** button is not pressed within 8 seconds after the [**Start point**] and [**End point**] are alternately displayed, the recorder will revert to stop status.
- An erased file cannot be restored.
- The erasing process may take up to 10 seconds. Do not interrupt this process or data may be damaged.
- Files cannot be partially erased in the following cases.
  - Files are locked (☞ P.35).
  - Partial erasing is not possible on parts of files with a Verbal comment on them (☞ P.31).
  - Files are inside a locked SD card.

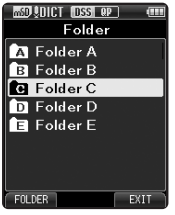
Selecting folders and files

Changing folders

1 While the recorder is in stop mode, press the F1 (FOLDER) button.

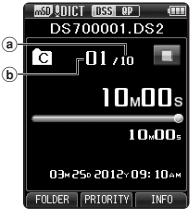
- The folder list screen will be displayed.

2 Press the +, – or F1 (FOLDER) button to select the folder, then press the OK/MENU button.



Selecting a file

1 While the file is being displayed, press the ▶▶I, I◀◀ button.



ⓐ Total number of recorded files in the folder
ⓑ Current file number

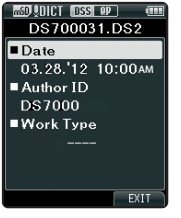
Displaying file information

The recorder can display a variety of information related to the current file.

1 Select the file containing the information to display.

2 Press the F3 (INFO) button.

- The following information will be displayed: [**Date**] [**Author ID**] [**Work Type**]



Verbal Comment

Verbal comments are useful to append vocal instructions while recording.

Setting a Verbal Comment

1 While the recorder is in recording mode, press and hold the F1 (VERBAL) button.

- Data recorded while pressing the **F1** (**VERBAL**) button will be recorded as Verbal Comment.

Locating a Verbal Comment

2 When playing back a file, press and hold the ▶▶I or I◀◀ button.

- The recorder stops for 1 second when it reaches the Verbal Comment.
- The verbal comment part has a different color.

ⓐ Verbal Comment part

Clearing a Verbal Comment

1 When playing a Verbal Comment, press the ERASE button.

2 Press the + button to select [Clear], then press the OK/MENU button.

Notes

- Up to 32 Verbal comments can be set within a file.
- When a file is locked or set to read-only, or when the SD card is locked, Verbal comments cannot be erased.

Index marks

Index marks can be placed into a file during recording or playback. Index marks are used to provide a quick and easy way to identify important or significant parts within the file.

Setting an index mark

1 While the recorder is in recording mode or in playback mode, press the F3 (INDEX) button.

Locating an index mark

2 While playing back a file, press and hold the ▶▶I or I◀◀ button.

- The recorder stops for 1 second when it reaches the index mark.

Clearing an index mark

1 Select a file in which index marks you want to erase are contained.

2 Press the ▶▶I or I◀◀ button to select the index mark to erase.

3 While the index number appears for approximately 2 seconds on the display, press the ERASE button.

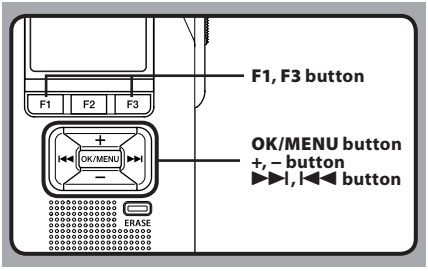
- The index mark is erased.

Notes

- Up to 32 index marks can be set within a file.
- When a file is locked or set to read-only, or when the SD card is locked, index mark cannot be erased.

How to use the menu

Items in menus are categorized by tabs, so select a tab first and move to a desired item to quickly set it. You can set each menu item as follows.



1 While the recorder is in stop mode, press the OK/MENU button.

- The menu will appear on the display.

2 Press the ▶▶I or I◀◀ button to move to the tab that contains the item you want to set.

- You can change the menu display by moving the settings tab cursor.

3 Press the + or – button to move to the item you want to set.

- Move to the menu item you want to set.

4 Press the OK/MENU button.

- Move to the setting of the selected item.

5 Press the + or – button to change the setting.

- Pressing the I◀◀ button without pressing the **OK/MENU** button will cancel the settings and return you to the previous screen.

6 Press the OK/MENU button to complete the setting.

- You will be informed that the settings have been established via the screen.

7 Press the F3 (EXIT) button to close the menu screen.

Menu list	
File Menu	[Priority]
	[Pending]
	[File Lock]
	[Work Type]
	[Information]
Rec Menu	[Mic Sense]
	[Rec Mode]
	[VCVA]
LCD/Sound Menu	[Backlight]
	[LED]
	[Beep]
	[Language(Lang)]
Device Menu	[Card Select]
	[Cue/Rev]
	[Power Save]
	[Time & Date]
	[USB Class]
	[Reset Settings]
	[Format]
	[Card information]
	[System information]

Menu items

File Menu

Priority

By default, the **F2** button is programmed with the Priority function. The setting can also be performed from the menu.
You can set a priority level on each file recorded. You can select "High" or "Normal". The default is Normal level.
[**Set**]:
High level.
[**Cancel**]:
Normal level.
- Each time the **F2** (**PRIORITY**) button is pressed the Priority level will change (High/Normal).

Pending

When you set [**Pending**] to the file, the file becomes "Pending file".
[**Pending**]:
Sets to a file of "Editing" and [ ] will appear on the display.
[**Finished**]:
Sets to a file of "already edited".

File Lock

The File lock function allows you to prevent important files from being accidentally erased.
[**On**]:
Locks the file and prevents it from being erased. [ ] will appear on the display.
[**Off**]:
Unlocks the file and allows it to be erased.

Work Type

Every file recorded on the recorder will include the Author ID and Work Type as part of its header information.

Information

The recorder can display a variety of information related to the current file.

Rec Menu

Mic Sense

You can switch between two microphone sensitivities to meet recording needs: [**Dictation**] for oral dictation and [**Conference**] which is suited for situations like meetings and conferences with a small number of people.
[**Conference**]:
High-sensitivity mode that records sounds in all directions.
[**Dictation**]:
Low-sensitivity mode suited for dictation.
- The setting status will appear on the display as [DICT] or [CONF].

Rec Mode

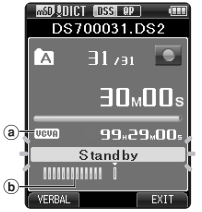
The recording mode can be set to [**DSS Pro QP**] (Quality Playback) or [**DSS Pro SP**] (Standard Playback).

VCVA

The VCVA feature extends recording time and conserves memory by stopping recording during silent periods, which helps the playback to be more efficient. When the microphone senses that sounds have reached a preset threshold volume level, the built-in Variable Control Voice Actuator (VCVA) starts recording automatically, and stops when the volume drops below the threshold level.

1 Select [On].

2 Move the slide switch to the REC (●) position to start recording.
- When the sound volume is lower than the preset actuation sound level, recording automatically stops after 1 second approximately, and [**Standby**] flashes on the display. The record indicator light turns on when recording starts and flashes when recording pauses.



ⓐ VCVA indicator
ⓑ Level meter (varies according to the sound volume being recorded)

Adjust the start/stop actuation level:

While the recorder is in recording mode, press the ►►I or I◄◄ button to adjust the actuation level.

- The VCVA level can be set to any of 15 different values.
- The higher the value is, the more sensitive the recorder can react to sounds. At the highest value, even the faintest sound will activate recording.
- The VCVA actuation level can be adjusted according to the ambient (background) noise.

ⓒ Start level (moves to the right/left according to the set level)

- The start/stop actuation level also varies depending on the selected microphone sensitivity mode (☞ P.35).
- To ensure successful recordings, prior testing and adjustment of the start/stop actuation level is recommended.

LCD/Sound Menu

Backlight

By default, the display will remain lit for about 10 seconds when a button on the recorder is pressed.

1 Select [Lighting Time], [Dim Light Time] or [Brightness].

2 Select the options.

When [Lighting Time] is selected:
[**5seconds**] [**10seconds**] [**30seconds**] [**1minute**]:
Set the backlight duration.

When [Dim Light Time] is selected:
[**30seconds**] [**1minute**] [**2minutes**] [**5minutes**] [**Always On**]:
Set the time after which the backlight dims.

When [Brightness] is selected:
[**01**] [**02**] [**03**]:
Sets the brightness of the backlight when lit.

LED

You can set it so the record indicator light does not turn on.

[**On**]:
LED light will be set.

[**Off**]:
LED light will be canceled.

Beep

When the Beep is set to [**On**], the recorder will beep in case of error.

[**On**]:
Beep is enabled.

[**Off**]:
Beep is disabled.

Language (Lang)

You can set the language for the recorder's user interface.

[**Čeština**] [**Dansk**] [**Deutsch**] [**English**] [**Español**] [**Français**] [**Nederlands**] [**Polski**] [**Русский**] [**Svenska**]:

- The languages available may vary depending on the country/region where the product is purchased.

Device Menu

Card Select

By default, the recording media is set to [**SD Card**] by the manufacturer.

- The recording media ([SD] or [microSD]) will appear on the display.

Cue/Rev

The playback sound of Cue and Review operation and Cue and Review speed can be set.

1 Select [Sound] or [Speed].

[**Sound**]:
Set the playback sound of Cue and Review to On or Off.

[**Speed**]:
Set the Cue and Review speed.

2 Select the options.

When [Sound] is selected:

[**On**]:
Activate the playback sound of Cue and Review.

[**Off**]:
Disables this function.

When [Speed] is selected:
You can adjust the Cue and Review speed level from [**Speed 1**] to [**Speed 5**].

- Cue and Review speed level becomes faster as the numerical value becomes larger.

Power Save

By default, the recorder will enter into Power Save mode if not used for more than 10 minutes.

[**5minutes**] [**10minutes**] [**30minutes**] [**1hour**]:
Set the length of time before the recorder will enter into Power Save mode.

[**Off**]:
Disables this function.

- If any button is pressed, time count will restart.

Time & Date

Setting the time and date beforehand enables easier file management.

For details, see "**Setting time and date [Time & Date]**" (☞ P.18).

USB Class

You can set the USB class of this recorder with a USB connection to [**Composite**] or [**Storage Class**].

[**Composite**]:
In the 3 classes of Storage, USB audio and human interface device, USB connection is possible. While connected via USB in [**Composite**], the recorder can be used as the USB speaker and the USB microphone in addition to storage class.

[**Storage Class**]:
USB connection is possible in only storage class.

Reset Settings

To reset the menu settings to their default values use [**Reset Settings**] under [**Device Menu**].

Format

Cards that have been used in non-Olympus devices, or cards that are not recognized by the recorder, must be formatted before they can be used with the recorder.

- Formatting the card will erase all the stored data, including locked files.

For details, see "**Formatting the card [Format]**" (☞ P.38).

Card Information

Memory card capacity and remaining card space for the cards in use will be displayed on the recorder.

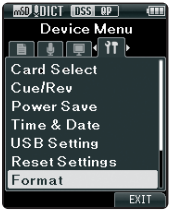
System Information

System information about the recorder like the [**Model**], [**Version**] and [**Serial No.**] can be displayed.

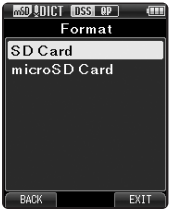
Formatting the card [Format]

Cards that have been used in non-Olympus devices, or cards that are not recognized by the recorder, must be formatted before they can be used with the recorder.

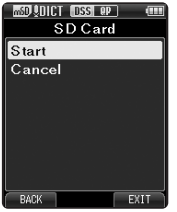
1 Select [Format] at the [Device Menu] screen, then press the OK/MENU button.



2 Press the + or – button to select [SD Card] or [microSD Card], then press the OK/MENU button.



3 Press the + or – button to select [Start] option.



4 Press the OK/MENU button to confirm [Start] selection.

5 Press the + or – button again to select [Start] option.

6 Press the OK/MENU button again to initiate the formatting process.

- [**Format Done**] displays when formatting ends.

Notes

- The time required to format a card varies according to the capacity of the card to be formatted.
  Do not interrupt the formatting process with the following actions. Doing so may damage the data or the card.
  - Remove the card.
  - Remove the battery.
- Formatting the card will erase all the stored data, including locked files.
- When an unformatted card is inserted, the format menu will be displayed automatically.
- Locked SD cards cannot be initialized.
- Memory cards will be formatted using quick format. Formatting the card will reset the information in file management, but the data inside the card may not be deleted completely. Be careful of data leakage when disposing or handing of the card. We recommend that you physically destroy the card when disposing of it.

Minimum requirement

Windows

Operating System:
Microsoft® Windows® XP:
Professional / Home Edition SP3 x86
Professional / Home Edition SP2 x64
Microsoft® Windows Vista®:
Ultimate / Enterprise / Business / Home Premium / Home Basic SP2 (both x86/64)
Microsoft® Windows 7®:
Ultimate / Enterprise / Professional / Home Premium (both x86/64)

CPU:
1 GHz or higher

RAM:
Microsoft® Windows® XP:
256 MB or more
Microsoft® Windows Vista®:
1 GB or more
Microsoft® Windows 7®:
1 GB or more (32 bit) / 2 GB or more (64 bit)

Hard drive space:
2 GB or more

Browser:
Microsoft Internet Explorer 6.0 or later

Drive:
CD-ROM, CD-R, CD-RW, DVD-ROM drive

Display:
1024 x 768 pixels or more, 65,536 colors or more (16,770,000 colors or more is recommended)

USB port:
One or more free ports

Others:
A Microsoft WDM- or MME-compliant and Windows-compatible sound device

Macintosh

Operating System:
Mac OS X 10.4.11 - 10.7

CPU:
PowerPC® G3 500 MHz or more,
or Intel Core Solo/Duo 1.5 GHz or more

RAM:
256 MB or more (512 MB or more is recommended)

Hard drive space:
200 MB or more

Drive:
CD-ROM, CD-R, CD-RW, DVD-ROM drive

Browser:
Macintosh Safari 3.0.4 or later,
mozilla Firefox 3.6.20 or later

Display:
1024 x 768 pixels or more, 32,000 colors or more

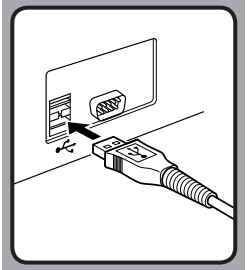
USB port:
One or more free ports

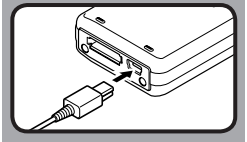
Others:
- Audio device

Notes

- Even if the above conditions are satisfied, self-modified computers, self-upgraded OS or multiple OS environments are not supported.
- Macintosh version does not support voice recognition software.
- For information on the latest OS upgrades compatibility, visit the Olympus Web page at **http://www.olympus-global.com/en/global/**.

Connecting to your PC





Connecting to your PC using the USB cable

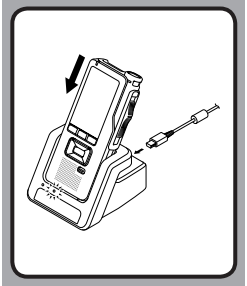
1. **Boot the PC.**
2. **Connect the USB cable to the USB port of the PC.**
3. **Connect the USB cable to the connecting terminal on the bottom of the recorder.**
   - [**Remote (Composite)**] is displayed on the recorder if the USB cable is connected.

After connecting the recorder to your PC, it will be powered through the USB cable.

When connected to a PC, the SD card and the microSD card will be recognized by the PC as separate removable disk drives.

Notes

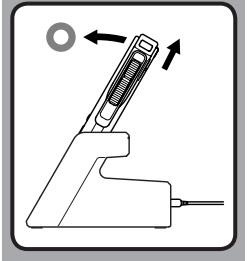
- NEVER remove the card or disconnect the USB cable while the record indicator light is flashing. If you do, the data will be destroyed.
- Some PC's may not supply sufficient power and the recorder fails to connect. Refer to your PC user's manual regarding the USB port on your PC.
- Do not connect the recorder to a PC by using a USB hub. Make sure to connect to a USB port on your PC.
- Make sure to push the cable connector all the way in. Otherwise, the recorder may not operate properly.



Connecting to your PC using the docking station

Place the recorder in the docking station

1. **Connect the USB cable to the USB port of the PC.**
2. **Connect the USB cable to the docking station as shown in the illustration.**
3. **Set the recorder in the docking station.**
   - [**Remote (Composite)**] is displayed on the recorder if the USB cable is connected.
   - If the AC adapter is connected as well, power will be supplied from the AC adapter.



Disconnecting from your PC

Windows

1. **Click [ ] on the task bar located at the lower-right corner of the screen. Click [Safely remove USB Mass Storage Device].**
   - The drive letter will differ depending on the PC being used.
2. **Confirm that the record indicator light turns off before disconnecting the USB cable.**

Macintosh

1. **Drag and drop the recorder's drive icon for this recorder displayed on the desktop to the Recycle Bin icon.**
2. **Confirm that the record indicator light turns off before disconnecting the USB cable.**

Notes

- NEVER remove the card or disconnect the USB cable while the record indicator light is flashing. If you do, the data will be destroyed.
- Never touch the contact points at the bottom of the docking station, as this may cause a bad connection.
- With a PC connected, the recorder cannot be operated with the Foot Switch. When connecting the recorder to a PC via the docking station, remove the Foot Switch.

Alarm message list

Message	Explanation	Action
[Battery Low]	The battery power is low.	Charge the battery (☞ P.13).
[Power Supply Error Remove Power Plug]	Voltage outside of the allowable limit has been detected.	Use the included AC Adapter (☞ P.15).
[File Protected]	Editing or deleting the file is not possible.	Unlock the file (☞ P.35).
[Index Full]	The maximum number of Index marks has been reached (max 32 Index marks per file).	Erase index marks that are no longer required (☞ P.32).
[Verbal Comment Full]	The maximum number of Verbal comments has been reached (max 32 Verbal comments per file).	Erase unnecessary Verbal comments (☞ P.31).
[Folder Full]	The maximum number of files has been reached (max 200 files per folder).	Erase unnecessary files (☞ P.27).
[Erase Error]	An error occurred while erasing.	Erase once again. When an Erase Error occurs, format the card (☞ P.38).
[Card Error]	The card has not been recognized properly.	Remove the card and insert it again (☞ P.17).
[Memory Full]	No remaining memory.	Erase unnecessary files or insert another card (☞ P.17, P.27).
[Format Error]	There was an error while formatting the card.	Format the card again (☞ P.38).
[Insert Card]	The recorder cannot find the card.	Insert a card (☞ P.17).
[Can't make the system file. Connect to PC and delete unnecessary file]	The management file cannot be created due to insufficient space on the card.	Connect the recorder to a computer and delete unnecessary files.

Troubleshooting

Symptom	Probable cause	Action
Nothing appears on the display	The battery power is low.	Charge the battery (☞ P.13).
	The recorder is turned off.	Turn the power on (☞ P.16).
	The recorder is currently in Power Save mode.	Press any button.
Unable to record	The card does not have enough memory.	Erase unnecessary files or insert another card (☞ P.17, P.27).
	The card is unformatted.	Format the card (☞ P.38).
	The maximum number of files has been reached.	Change to any other folder (☞ P.30).
	The file is locked.	Unlock the file from the file menu (☞ P.35).
	The SD card is locked.	Unlock the SD card.
No playback tone heard	The earphone is connected.	Unplug the earphones to use the internal speaker.
	The volume level is set to [**00**].	Adjust the volume level (☞ P.25).
Unable to erase	The file is locked.	Unlock the file from the file menu (☞ P.35).
	The SD card is locked.	Unlock the SD card.
Noise heard during playback	The recorder was shaken during recording.	———
	The recorder was placed near a cell phone or fluorescent lamp while recording or during playback.	Avoid using the recorder near cell phones or fluorescent lamps.
Recording level too low	The microphone sensitivity is too low.	Set the microphone sensitivity to the conference mode and try again (☞ P.35).

Symptom	Probable cause	Action
Unable to set index marks	The maximum number of index marks (32) has been reached.	Erase unnecessary index marks (☞ P.32).
	The file is locked.	Unlock the file from the file menu (☞ P.35).
	The SD card is locked.	Unlock the SD card.
Unable to set verbal comments	The maximum number of verbal comments (32) has been reached.	Erase unnecessary verbal comments (☞ P.31).
Cannot find the recorded file	Wrong recording media or folder.	Switch to the correct recording media or folder (☞ P.20, P.30, P.37).
Cannot find the transferred files	The transferred files are not supported by this recorder.	The recorder can recognize the DSS file format* only.
Cannot connect to a PC	Sometimes a connection cannot be made with some PCs running Windows XP, Vista or 7.	You need to change the PC's USB settings.

* **Supports file formats**: DS2 (DSS Pro QP or DSS Pro SP), DSS (QP or SP)

Specifications

General points

■ **Recording format:**
DS2 (Digital Speech Standard Pro)

■ **Recording media:**
microSD, SD card (512 MB to 32 GB)

■ **Sampling frequency:**

[**DSS Pro QP**]	16 kHz
[**DSS Pro SP**]	12 kHz

■ **Speaker:**
Built-in ø23 mm round dynamic speaker

■ **MIC/EAR jack:**
ø3.5 mm mini-jack, impedance
MIC 2 kΩ, EAR 8 Ω or more

■ **Maximum working output (DC 3.7 V):**
235 mW (8 Ω speaker)

■ **Maximum headphone output:**
≦ 150 mV (according to EN 50332-2)

■ **Input power requirement:**
Battery: Lithium ion battery (LI-42B)
External power supply: AC adapter (A517) 5 V

■ **External dimensions:**
114.5 mm × 49.8 mm × 17.5 mm
(without protrusions)

■ **Weight:**
107 g (Including battery)

■ **Operating temperature:**
0°C - 42°C/ 32°F - 107.6°F

Overall frequency response

[**DSS Pro QP**]	200 Hz to 7,000 Hz
[**DSS Pro SP**]	200 Hz to 5,000 Hz

Guide to battery life

The following values are strictly references.

■ **During recording mode (Built-in microphone):**

[**DSS Pro QP**]	Approx. 18 h.
[**DSS Pro SP**]	Approx. 21 h.

■ **During playback mode (Earphone playback):**
All mode: Approx. 21 h.

Guide to recording times

The following values are strictly references.

Memory size	[**DSS Pro QP**]	[**DSS Pro SP**]
2GB	149 h.	306 h.
4GB	300 h.	615 h.
8GB	604 h.	1,237 h.

- The above are the standard times, and the available recording time will vary depending on the card.
- Available recording time may be shorter if many short recordings are made.
- Total recording time of several files. The maximum recording time per file is 99 hours 59 minutes.

Specifications and design are subject to change without notice.
Battery life is measured by Olympus. It varies greatly according to the conditions of use.

For customers in North and South America:

Declaration of Conformity

Model Number	: DS-7000
Trade Name	: DIGITAL VOICE RECORDER
Responsible Party	: OLYMPUS IMAGING AMERICA INC.
Address	: 3500 Corporate Parkway, P.O. Box 610, Center Valley, PA 18034-0610, U.S.A.
Telephone Number	: 1-888-553-4448

This device Complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Tested To Comply With FCC Standards FOR HOME OR OFFICE USE

Canadian RFI:

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.
Cet appareil numérique ne dépasse pas les limites de la Catégorie B pour les émissions de bruit radio émanant d'appareils numériques, tel que prévu dans les Règlements sur l'Interférence Radio du Département Canadien des Communications.

For customers in Europe:

"CE" mark indicates that this product complies with the European requirements for safety, health, environment and customer protection.

This symbol [crossed-out wheeled bin WEEE Annex IV] indicates separate collection of waste electrical and electronic equipment in the EU countries. Please do not throw the equipment into the domestic refuse. Please use the return and collection systems available in your country for the disposal of this product.
Applicable Product: DS-7000, AC adapter, Docking station

This symbol [crossed-out wheeled bin Directive 2006/66/EC Annex II] indicates separate collection of waste batteries in the EU countries. Please do not throw the batteries into the domestic refuse. Please use the return and collection systems available in your country for the disposal of the waste batteries.

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